

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name: that I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter claimed and for which a patent is sought in the application entitled:

A METHOD AND APPARATUS FOR SEGMENTATION AND REASSEMBLY OF PACKETS/CELLS OVER SATELLITE/WIRELESS NETWORKS

	SATELLIT	E/WIRELESS NETW	ORKS						
which application is:			PCT/	US98/14194,	filed July 15, 1998				
☑ the attached app	plication		☐ Application No						
(for original application)		-	filed, and amended on						
		-	(for declaration not	accompanyin	g application)				
material to the patentabilit Code §119, §172 or §365 have also identified on sai	understand the contents of the tent referred to above; that I ack by of this application under 37 C.I of any provisional application of the dilist any foreign application for the dilist any foreign application on which priority is claimed:	mowledge my duty to F.R. 1.56, that I hereb r foreign application(patent or inventor's c	o disclose information y claim priority beneals s) for patent or investigation	on of which lefits under Ti	I am aware which is itle 35, United States				
Application Number	Country	Filing Da	te	Priority (Yes	Claimed No				
60/052,539	U.S.	July 15, 19		Ø					
are patentability of this a	graph of Title 35, United States C pplication under 37 C.F.R. 1.56 nal filing date of this application:	which occurred betw	een the filing date	of the prior Status	application and the				
Waddell A. Biggart, Reg. No. 28,703; John R. Inge, Reg. Turner, Reg. No. 29,710; 131,333; Gordon Kit, Reg. No. 33,725; William H. Mandi Kramer, Reg. No. 33,725; George F. Lehnigk, Reg. Norosecute this application accorrespondence about the	Mion, Reg. No. 18,879; Thomas 3. Robert V. Sloan, Reg. No. 22,7 No. 24,861; Louis Gubinsky, Reg. No. 26,916; Joseph J. Ruch, J. Howard L. Bernstein, Reg. No. 20,764; Susan J. Mack, Reg. No. 30,764; Susan J. Mack, Reg. ir, Reg. No. 32,156; Brian W. H. Paul F. Neils, Reg. No. 33,102; F. No. 36,359, John T. Callahan, Re and to transact all business in the application be addressed to S. J., Washington, D.C. 20037-3213	75; Peter D. Olexy, No. 24,835; Neil B. L., Reg. No. 26,577; 25,665; Alan J. Kaspe No. 30,951; Frank L. Lannon, Reg. No. 32,7 Brett S. Sylvester, Reg. No. 32,607 and Sign Patent and Tradem	Reg. No. 24,513; J. Siegel, Reg. No. 25, Sheldon I. Landsmaer, Reg. No. 25,426; Bernstein, Reg. No. 778; Abraham J. Rosg. No. 32,765; Robeteven M. Gruskin, Rark Office connected	Frank Osha, 200; David Jan, Reg. No.; Kenneth J. J. 31,484; Marsner, Reg. Noert M. Master Leg. No. 36,8 and therewith	A, Reg. No. 24,625; Cushing, Reg. No. 25,430; Richard C. Burchfiel, Reg. No. ck Boland, Reg. No. o. 33,276; Bruce E. s, Reg. No. 35,603, 18, my attorneys to and request that all				
I hereby declare that all sta are believed to be true; and made are punishable by fin	tements made herein of my own led further that these statements we are or imprisonment, or both, underdize the validity of the application	knowledge are true are ere made with the kn r Section 1001 of Tit	owledge that willful le 18 of the United Soft the United Soft thereon.	false stateme States Code a	ents and the like se				
Residence 409 Midsumn		First			ast Name				
City	ner Drive, Gaithersburg, MD 2 State/Country	Signature _	- 97hr/ K	- Hyon 6	S)				
Post Office Address:	409 Midsummer Drive								
	Gaithersburg, MD 20878								

Dë te	anvary 1.	2,2000	Secon	d Inventor	Udayan	N.	BOKAR BORKAR
<u>,</u> '	_	al Rock Drive, Apt.	21 Germantov 20874	vn, MD	First Name Signature	//	al Last Name N Bork
Post Office	City Address:	19737, Crystal Ro					
Citizenship	_IN	Germantown, MI	20874				
Date	1/28/2	ن ی ی	Third	Inventor	Moorthy First Name	N.	HARIHARAN
Residence		Jack Drive Germ	4	D Signatu		Middle Inition	al Last Name
Post Office	City Address:	State 12109 Skip Jack 1	Country Orive				
Citizenship	US	Germantown, MI	20874				
Date	17/2000		Fourth	Inventor	Shekhar	V.	PATANKAR
Residence		Gate Drive #203	Germantown, Mi 20874	D Signatu	First Name	Middle Initia	
	City		State/Country				
Post Office	Address:	19252 Circle Gate	Drive #203				
		Germantown, MD	20874		· · · · · · · · · · · · · · · · · · ·		
Citizenship	_IN						
Date			Fifth In	ventor			
Residence				Signatu	First Name	Middle Initia	
	City	State/	Country				
Post Office	Address:					·	
Citizenship							
Date			Sixth In	ventor			
Residence			•	Signatur	First Name	Middle Initial	Last Name
	City	State/0	Country		·		
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[n nmo 4666	VIO DEPARE CO.				
Form PTO-1595 1-31-92	U.S. DEPARTMENT OF COMMERCE				
	Patent and Trademark Office N FORM COVER SHEET				
PAT	ENTS ONLY				
	Please record the attached original documents or copy thereof.				
Name of conveying party(ies):	2. Name and address of receiving party(ies)?				
COMSAT CORPORATION	VIASAT, INC.,				
6560 Rock Spring Drive	6155 El Camino Real				
Bethesda, MD 20817	Carlsbad, CA 92009-1699				
Additional name(s) of conveying party(ies) attached?					
☐ yes ☑ no					
3. Nature of Conveyance:					
☑ Assignment ☐ Merger					
☐ Security Agreement ☐ Change of Names					
☐ Other	Additional name(s) & address(es) attached?				
Execution Date: July 27, 2001	□ yes ☑ no				
4. Application number(s) or patent number(s):					
If this document is being filed together with a new application	the execution date of the application is:				
	· · · · · · · · · · · · · · · · · · ·				
A. Patent Application No.(s)/Confirmation No.(s) 09/485,145, 09/462,894, 09/462,892, 09/462,897,	B. Patent No.(s)				
09/462,893, 09/462,895, 09/462,896, 09/331,406,	5,572,530				
09/381,682, 09/529,852, 09/529,773, 09/529,774,	5,600,653				
09/331,407, 09/689,738, 09/332,971, 09/695,980	6,075,826				
Additional numbers attacl	 ned? □ Yes ☑ No				
5. Name and address of party to whom correspondence	6. Total number of applications and registration involved:				
concerning document should be mailed:	19				
SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC	7. Total Fee (37 CFR 3.41): \$760.00				
2100 Pennsylvania Avenue, N.W.	☐ Enclosed. Please charge any underpayment in				
Suite 800	connection with this Assignment to Deposit Account No. 19-4880.				
Washington, D.C. 20037-3213	☑ Authorized to be charged to Deposit Account				
	8. Deposit Account No.				
	19-4880				
	LITE IN THIS SPACE				
9. Statement and Signature.					
To the best of my knowledge and belief, the foregoing inform original document.	nation is true and correct and any attached copy is a true copy of the				
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- Land	October 25, 2001				
Alan J. Kasper Reg. No.	25,426 Date				
	OVER SHEET, ATTACHMENTS AND DOCUMENT: 19				
OMB No. 0651-0011 (exp. 4/94)					
Do not d	etach this portion				
Mail documents to be recorded with required cover sheet info					
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17 64314114	h,				

PATENT APPLICATION AND INVENTION DISCLOSURE ASSIGNMENT

THIS PATENT APPLICATION AND INVENTION DISCLOSURE ASSIGNMENT is made and entered into as of the 27th day of July 2001 (together with Schedule A, this "Assignment"), by and between COMSAT CORPORATION, a Lockheed Martin Global Telecommunications company and a District of Columbia corporation ("Assignor") and VIASAT, INC., a Delaware corporation ("Assignee").

$\underline{\mathbf{W}}\underline{\mathbf{I}}\underline{\mathbf{T}}\underline{\mathbf{N}}\underline{\mathbf{E}}\underline{\mathbf{S}}\underline{\mathbf{S}}\underline{\mathbf{E}}\underline{\mathbf{T}}\underline{\mathbf{H}}$:

WHEREAS, Assignor is the owner of the entire right, title and interest in and to all of the patent applications and invention disclosures set forth on Schedule A annexed hereto and made a part hereof; and

WHEREAS, pursuant to the terms of an Asset Purchase Agreement, dated as of July 13, 2001, by and among Assignor and Assignee, Assignor has agreed, among other things, to transfer to Assignee said patent applications and invention disclosures.

NOW, THEREFORE, in consideration of the sum of ten dollars (\$10.00) and other good and valuable consideration paid by Assignee to Assignor, the receipt and sufficiency of which are hereby acknowledged, Assignor hereby sells, assigns, transfers and sets over to Assignee, its successors and permitted assigns, Assignor's entire right, title and interest in and to the patent applications and invention disclosures set forth on Schedule A hereto, including (without limitation) all divisions, reissues, substitutions, continuations and extensions thereof, all rights to claim priority under the International Convention for the Protection of Industrial Property for every member country (and any other international convention or treaty), any and all Letters Patent and reissues and extensions of Letters Patent granted thereon in the United States and in all foreign countries and any and all rights corresponding to any of the foregoing throughout the world and any and all accounts, contract rights, warranties, litigation claims and rights, including the right to sue for and collect upon all claims for profits and damages as a result of past infringement, if any, and other general intangibles of Assignor related to any of the foregoing, in each case whether now existing or hereafter acquired or created, whether owned, leased or licensed beneficially or of record and whether owned, leased or licensed individually, jointly or otherwise, together with the products and proceeds thereof (including license royalties and the proceeds of infringement suits), all payments and other distributions with respect thereto and any divisions, reissues, substitutions, continuations and extensions of any and all of the foregoing (all of the foregoing herein collectively referred to as the "Patents").

Assignor further agrees that it shall on the date hereof and from time to time thereafter, at the request and expense of Assignee, perform or cause to be performed such acts and execute, acknowledge and deliver at the request of Assignee, such documents as may reasonably be required to evidence or effectuate the sale, conveyance, assignment, transfer and delivery to Assignee of the Patents or for the performance by Assignor of any of its obligations hereunder.

IN WITNESS WHEREOF, the parties have executed this Assignment as of the date above written.

COMSAT CORPORATION
By: Name: John E. Montague
Title: Vice President and Chief Financial Officer
VIASAT, INC.
Ву:
Name:
Title:

STATE OF MARYLAND COUNTY OF MUNICUMERY	_ : _:
me duly sworn, did depose and say to COMSAT Corporation, the corporation	, 2001, before me personally came, to me known (or satisfactorily proven), who being by that he is the Charle Financial Officer of tion described in, and which executed the foregoing thorized to execute this Assignment on behalf of said A
STATE OFCOUNTY OF	_ : _:
On the day of	, 2001, before me personally came, to me known (or satisfactorily proven), who being by
me duly sworn, did depose and say the ViaSat, Inc., the corporation describe	that he is the of ed in, and which executed the foregoing instrument, and that his Assignment on behalf of said corporation.
	Notary Public

IN WITNESS WHEREOF, the parties have executed this Assignment as of the date above written.

COMSAT CORPORATION
By: Name: Title:
VIASAT, INC.
By: Mr Monhan Name: Gregor D. Monhan Title: W- Adminstration, beard Consul and Sarety

STATE OF		:	
COUNTY OF		;	
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		, 2001, before me pe, to me known (or satisfac	ersonally came ctorily proven), who being by
me duly sworn, did COMSAT Corpora instrument, and that corporation.	I depose and say to tion, the corporat	that he is thetion described in, and which exthorized to execute this Assign	of cecuted the foregoing
			(SEAL)
		Notary Public	()
On the Of On the Officer of the One of the Officer of the Officer of the Officer of the Was fully author	day of <u>JUL</u> Monahan depose and say the depose and	, 2001, before me p , to me known (or satisfation, to hat he is the VP Administration, to ed in, and which executed the fatis Assignment on behalf of sai	ersonally came netorily proven), who being by General Counsel & Sceretary foregoing instrument, and that d corporation.
		Notary Public	(SEAL)
		Com Notary Sar	ICA ANNE JONES Imission # 1235001 Public - California

PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT is made and entered into as of the 27th day of July 2001 (together with Schedule A, this "Patent Assignment"), by and between COMSAT CORPORATION, a Lockheed Martin Global Telecommunications company and a District of Columbia corporation ("Assignor") and VIASAT, INC., a Delaware corporation ("Assignee").

WITNESSETH:

WHEREAS, Assignor is the owner of the entire right, title and interest in and to all of the patents set forth on Schedule A annexed hereto and made a part hereof; and

WHEREAS, pursuant to the terms of an Asset Purchase Agreement, dated as of July 13, 2001, by and among Assignor and Assignee, Assignor has agreed, among other things, to transfer to Assignee said patents.

NOW, THEREFORE, in consideration of the sum of ten dollars (\$10.00) and other good and valuable consideration paid by Assignee to Assignor, the receipt and sufficiency of which are hereby acknowledged, Assignor hereby sells, assigns, transfers and sets over to Assignee, its successors and permitted assigns, Assignor's entire right, title and interest in and to the patents set forth on Schedule A hereto, including (without limitation) all divisions, reissues, substitutions, continuations and extensions thereof, all rights to claim priority under the International Convention for the Protection of Industrial Property for every member country (and any other international convention or treaty), any and all rights corresponding to any of the foregoing throughout the world and any and all accounts, contract rights, warranties, litigation claims and rights, including the right to sue for and collect upon all claims for profits and damages as a result of past infringement, if any, and other general intangibles of Assignor related to any of the foregoing, in each case whether now existing or hereafter acquired or created, whether owned, leased or licensed beneficially or of record and whether owned, leased or licensed individually, jointly or otherwise, together with the products and proceeds thereof (including license royalties and the proceeds of infringement suits), all payments and other distributions with respect thereto and any divisions, reissues, substitutions, continuations and extensions of any and all of the foregoing (all of the foregoing herein collectively referred to as the "Patents").

Assignor further agrees that it shall on the date hereof and from time to time thereafter, at the request and expense of Assignee, perform or cause to be performed such acts and execute, acknowledge and deliver at the request of Assignee, such documents as may reasonably be required to evidence or effectuate the sale, conveyance, assignment, transfer and delivery to Assignee of the Patents or for the performance by Assignor of any of its obligations hereunder.

IN WITNESS WHEREOF, the parties have executed this Patent Assignment as of the date above written.

COMSAT CORPORATION
By: My Wy
Name: John E. Montague
Title: Vice President and
Chief Financial Officer
VIASAT, INC.
_
By:
Name:
Title:

STATE OF <u>MARYLAND</u> : COUNTY OF <u>MUNTGOMERY</u> :	
COMSAT Corporation, the corporation	, 2001, before me personally came, to me known (or satisfactorily proven), who being by he is the
STATE OF: COUNTY OF:	
	, 2001, before me personally came , to me known (or satisfactorily proven), who being by
me duly sworn, did depose and say that levia and sa	ne is the of a, and which executed the foregoing instrument, and that atent Assignment on behalf of said corporation.
	Notary Public (SEAL)

IN WITNESS WHEREOF, the parties have executed this Patent Assignment as of the date above written.

Ву:				_
•	Name:			
	Title:			

COMSAT CORPORATION

VIASAT, INC.

Name: Gregor P. Monden
Title: VP Administration, Coreal

STATE OF:	
COUNTY OF:	
On the day of	, 2001, before me personally came
	, to me known (or satisfactorily proven), who being by
me duly sworn, did depose and say that l	_, to me known (or satisfactorily proven), who being by he is the of
Comparation, the corporation (described in, and which executed the foregoing
instrument, and that he was fully authoric corporation.	zed to execute this Patent Assignment on behalf of said
	(SEAL)
	Notary Public
STATE OF <u>California</u> : COUNTY OF <u>San Diego</u> :	
On the 27th day of July Gregory D. Monahan	, 2001, before me personally came, to me known (or satisfactorily proven), who being by
ViaSat, Inc., the corporation described in.	e is the <u>VP-AAmilistration</u> , <u>Faneral lousel</u> <u>Secretor</u> of and which executed the foregoing instrument, and that the tent Assignment on behalf of said corporation.
	Notary Public (SEAL)

SCHEDULE A

Patents

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	_		37-E-02	-		37-E-01				····	36-E-06			32-E-08			File #
		H	2											CWS		LOB	Hunding
	IIA Standard	Transmission Frames (Agarwal et al.)	Tethod and Apparatus for Ecot A	TIA Standard	Cell/Packet Headers (Agarwal)	Method and Apparatus for Adaptive I ass less C			TIA Standard	(Agal wal)	A Frame Format and Frame Assembling/Disassembling Method for the Frame Format (A Frame Assembling/Disassembling Method for		Network (ISDN) into Satellite System (Chitre)	Technique for Efficient Integration of Integrated Services Division		Title	
Australia	UK	Sn			Sn		India	Australia Canada	EPO (UK, Ger)	Ç	110		EPO		ι	Country	
Application	Application	Application			Application		Application	Application Application	Application	Application			Application			Status	
83891/98	0000100.8	09/462,892			09/462,894		1235/CAL/98	85685/98 2,296,083	98936823.8	09/485,145			95935647.8		Tagrifica	Nimber	
		CLA			CLA					CLA		_	Linkway		Product		
		7			<u>,</u>	L			7		L						

37-E-06 37-E-05 37-E-03 Funding LOB Method and Apparatus for Improving Asynchronous Transfer Mode Operation Over Noisy, High Speed Wireless Links (Chitre et al.) Correction Codes (Agarwal et al.) Method for and Apparatus for Adaptive Control of Forward Error Method and Apparatus for Minimizing Delay Variance Via Time Divided Transmissions (Kumar et al.) --TIA Standard --Taiwan EPO (UK, Ger) Australia Australia Canada India EPO (UK, Canada Australia Country Taiwan India S India Ger) S SDApplication Application Status 1233/CAL/98 09/462,895 1222/CAL/98 87111527 98934346.2 0000099.2 1220/CAL/98 83890/98 09/462,893 2,296,091 98934350.4 83888/98 87111529 2,296,076 83892/98 09/462,897 Number ALE Product CLA Linkway

File#

	727214/39	Tomas J.L.	 -			
	130,559	Application	Japan			
·	1860/CAL/98	Application	India			
	2,275,408	Application	Canada			
	98956107.1	Application	EPO (Fr,			
Linkway	09/331,406	Application	Sn	Satellite/Wireless Networks (Agarwal et al.)		
				A Method for Generation of Accurate Days		37-E-21
	139,630	Application	Israel			
	2,331,675 IN/PCT/2000/0	Application Application	India			
		• •	Den)			
			Nor, Fin, Neth,			
			UK, Swe,			
TDMA Linkway	99921879.5	Application	EPO (Ger, Fr, It,	Estimates for Use in Synchronizing Transmitting Data (Sayegh)		
				Method and Annaratis for Okining The Control of the		37-E-12
Linkway	Awaiting	Application	SN	(Agarwal et al.)		
				Satellite/Wireless Communications Notice 1		37-E-08
	1231/CAL/98	Application	,			
	2,296,086	Application	Canada			
	83889/98	Application	Australia			
	98934347	Application	EPO (UK, Ger)			
Linkway	,	•		Networks (Agarwal et al.)		
	09/462 806	Application	SO	A Method and Apparatus for Segmentation, Reassembly and Inverse		J/-E-0/
Product	Number	Status	Country		5	37 E 07
				Funding	Fun	File#

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	1861/CAL/98		India /			
	135,786	Application	Israel			
	2,306,717	Application				
	98951081.3	Application	EPO (UK,Ger,Fr)			
Linkway	09/529,774	Application	S.	Satellite/Wireless TDMA System (Agarwal et al.)		
				Method for Transmission of Circuits, Packets and Cells in a		37-E-28
	135,783 1856/CAL/98	Application Application	Israel India			
	98953469.8	Application	EPO (UK,Ger,Fr)			
Linkway	09/529,773	Application	S	Networks to Compensate for Rain Fade (Agarwal et al.)		
				A Method for Uplink Power Control for Distributed Satelling		37-E-27
CLA	09/529,852	Application	US	Method and System for Transport of Frame Relay Traffic Over Satellite/Wireless Networks (Agarwal et al.)		
Linkway	37-E-25	Disclosure	S			37-F-26
		2	116	Multi-Stage Unique Word Detection Strategy (Sayegh)		37-E-25
	135,785 1857/CAL/98	Application Application	India			
	98953472.2	Application	EPO (UK,Ger,Fr)			
Linkway	09/381,682	Application	US	Distributed Satellite/Wireless Networks and Corresponding Communications System(Agarwal et al.)		
				Method for Measurement and Bod.	1	37-E-24
Product	Number	Status	Country	LOB	120	
				Funding	Fun	File #

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38-E-19 38-E-18 38-E-10 38-E-06 37-E-29 File# CWS CWS Funding LOB Efficient Internet Service Implementation for Mesh Satellite Networks (Rempe et al.) Using Non-Negotiated Link Establishment (Agarwal et al.) Digital Data Streams Over Variable Fractional T1 or E1 Data Links Inverse Multiplexing Technique for Transmission of Wideband IP Multicasting in Mesh TDMA Satellite Networks (Rao et al.) Mechanism (Dogrusoz et al.) Terrestrial/Wireless Systems Using DVB/MPEG-2 Transport Technique for Terminal Acquisition and Synchronization in |Satellite/Wireless TDMA System (Agarwal et al.) Method for Acquisition and Synchronization of Terminals in a Title PCT (all) S S Canada EPO (Fr, Ger) S Country Japan S Israel US Application Application Application |09/689,738 Disclosure Application Application Application Application Application Application Application Status WO 00/77656 09/332,971 38-E-10 1854/CAL/98 Awaiting 98956116.2 09/331,407 524375/99 2,275,406 130,560 Number Linkway TDMA Linkstar Linkway Product

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SCHEDULE A

Patents

33-E-US	36-E-06	37-E-12		34-E-06	32-E-08	File#
					CWS	Funding LOB
Method for and Apparatus for Adaptive Control of Forward Error Correction Codes (Agarwal et al.)	A Frame Format and Frame Assembling/Disassembling Method for the Frame Format (Agarwal)	Method and Apparatus for Obtaining Initial Carrier and Symbol Phase Estimates for Use in Synchronizing Transmitting Data (Sayegh)		Technique for Improving Asynchronous Transfer Mode Operation Over a Communication Link with Bursty Bit Errors (Chitre et al.)	Technique for Efficient Integration of Integrated Services Digital Network (ISDN) into Satellite System (Chitre)	Title
Taiwan	Taiwan	SN	Canada	Sn	US	Country
Patent	Patent	Patent	Patent	Patent	Patent	Status
125807	122171	6,075,826	2,159,440	5,600,653	5,572,530	Number
CLA	CLA	TDMA Linkway		ALE	Linkway	Product

Linkway Linkstar	40-E-08	Disclosure	SN	Symbol-Rate Asynchronous TDMA Packet Transmission (Balasubramanian)		
· "mc Lilkway				Improved Co.		40-E-08
Firture I :-1	Application haykas ooo	Application	US	Single Synchronization Word		
				Joint Frame, Carrier and Clock Supply		40-E-05
Linkway	39-E-05	Disclosure	Ş			
			Tio	A Novel Frame Synchronization Scheme for Speech Coders based on G.729		37-6-03
						30 5 05
Linkway	Awaiting	Application	Ç	Ambiguity in Carrier Phase Resolution (Ramakrishnan)		
, rounct	-		116	Near Optimal Frame Synchronization for Asynchronous Packet Transmission with M. PSK M. A. 1-1. 15		0,700
Product	Number	Status	Country	1	108	30 E 22
					Funding	File#
					_	7

Assignment BORKAR

Whereas, I/We, Anil K. AGARWAL, Udayan N. BOKAR, Moorthy N. HARIHARAN, Shekhar V. PATANKAR of Gaithersburg, MD, Germantown, MD, Germantown, MD, respectively, hereinafter called assignor(s), have invented certain improvements in A METHOD AND APPARATUS FOR SEGMENTATION AND REASSEMBLY OF PACKETS/CELLS OVER SATELLITE/WIRELESS NETWORKS and executed an application for Letters Patent of the United States of America therefor on

; and

Whereas,

COMSAT CORPORATION 6560 Rock Spring Drive Bethesda, MD 20817 FILED

MAR - 3 2000

(assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America and all countries foreign thereto, including rights of priority under the International Convention of Paris (1883) as amended, and I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

	I/We hereb	y authorize and	ı request	our at	tomeys 50G	TIKUE, IV	HUN, ZH	MN, MACE	CAV.
& SE	AS of 2100	Pennsylvania .	Avenue,	NW,	Washington,	DC 2003	37-3212	to insert he	re in
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		s/Moorthy N.							
Date:	1/31/00	Shethar. V.	. Patan	Ser:					
		s/Shekhar V.	PATANK	AR					
Date:						,	•		
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